

-1- (JAPIO)

ACCESSION NUMBER

TITLE

PATENT APPLICANT

INVENTORS

PATENT NUMBER

APPLICATION DETAILS

SOURCE

INT'L PATENT CLASS

JAPIO CLASS

FIXED KEYWORD CLASS

ABSTRACT

86-143939

ALKALINE BATTERY

(0000000) SONY EBAREDEI KK

OOYA, KUNIYASU

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H01M-004/12; H01M-004/42; H01M-004/62

42.9 (ELECTRONICS--Other)

R057 (FIBERS--Non-woven Fabrics)

PURPOSE: To obtain an alkaline battery whose hydrogen gas evolution is decreased, environmental pollution is suppressed and performance deterioration is prevented by using a gelled anode having zinc powder, a specified amount of zinc oxide powder and lead powder or lead oxide powder.

CONSTITUTION: An anode contains zinc powder, 0.01-2wt% zinc oxide powder to the zinc powder and 0.01-20wt% lead powder or lead oxide powder to the electrolyte. Zinc powder having a particle size of 50-200 mesh is used. Lead or lead oxide is preferable to use powder having a particle size of 100 mesh or less. Lead powder and zinc oxide powder are added to zinc powder and electrolyte is gelled with a gelling agent to prepare the gelled anode. By using this gelled anode, hydrogen gas evolution in the battery is remarkably decreased.